CLAIMS

1. A device (1, 38, 42) for removing an object from a moulding tool (2, 30, 44) in connection with casting or moulding an object, wherein there is a retaining force between the moulding tool and the object, wherein the device comprises a body (5, 39, 43) designed with a contact surface (9) adapted for at least partly being in contact with the object and coupling means arranged for coupling the object to the body, characterized in that the body is provided with means (40, 46) for applying a traction force on the object, which traction force is substantially opposite to said retaining force, and the coupling means is arranged to couple the object to the contact surface such that said traction force becomes substantially uniformly distributed over the part of the surface of the object that is in contact with the contact surface.

2. A device according to claim 1, characterized in that said means (40, 46) for applying a traction force on the object is arranged for co-operation with the moulding tool (30, 44) for applying the traction force on the object.

3. A device according to claim 1 or 2, characterized in that the moulding tool (30) is provided with ejection means for ejecting the device 33 from the moulding tool, and that said means (40) for applying a traction force on the object is arranged for co-operation with the ejection means in such a way that the movement of the ejection means is transformed to a traction force on the device.

4. A device according to claim 1 or 2, characterized in that said means for applying a traction force on the object comprises push-away members (46) adapted to bear on the moulding tool and to apply a force between the moulding tool and the device, which force acts separating on them.

5. A device according to any of the previous claims, characterized in that the body comprises at least one section made of an substantially inelastic material and said section being arranged in connection to the contact surface (9).

6. A device according to any of the previous claims, characterized in that said coupling means is arranged for coupling the object to the contact surface by means of under-pressure and that said coupling means is arranged so that it creates said under-pressure between the contact surface (9) and the object (3).

7. A device according to claim 6, characterized in that the coupling means comprises sealing means (18) arranged for sealing between the contact surface (9) and the object (3), and at least one coupling channel (13) being arranged in connection to the contact surface (9), wherein the coupling channel is arranged for transporting air away from the contact surface.

8. A device according to any of the claims 6 -7, characterized in that it comprises at least one air-permeable contact means (17) having a surface, which is at least a part of the contact surface and arranged to be in contact with the object (3) in such a way that deformation of the object is counteracted.

9. A device according to claim 8, characterized in that the contact means (17) comprises a plurality of elements arranged such that cavities are formed between them, wherein transportation of air is admitted through the contact means.

10. A device according to the claims 8 or 9, characterized in that the contact means (17) is substantially made of a sintered metal or a sintered metal alloy.

11. A device according to any of the claims 7 - 10, characterized in that the contact means (17) is arranged such that transportation of air from the contact surface (9) to the coupling

channel (13) occurs through the contact means, and that said sealing means (18) is arranged so that it surrounds the contact means.

- the object (3, 33) and a device (1, 38, 42) according to any of the claims 1-11 are brought into contact with each other so that the contact surface at least partly is in contact with the object,
- the object is coupled to the device,
- a traction force is applied to the object, which traction force is substantially opposite to said retaining force, and
- the object is removed from the moulding tool.